"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.L.

Experimental investigation of pipe, sheet-pile and pile driving and pulling using the BT-12 vibrator. Trudy NII osn. i fund. no.22: 4-24 '57. (MLRA 7:11)
(Pile driving)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Two series of experimental investigations of sheet-pile driving using the BT-5 high-frequency vibrator on the construction site. Trudy NII osn. i fund. no.22:25-32 '53. (MLRA 7:11)
(Pile driving)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Use of the vibration technique in pile driving in sandy and cement bedding. Trudy NII osn. i fund. no.22:33-41 '53. (MLRA 7:11)
(Pile driving)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

USSR/Physics - Forced vibrations FD-3153

Card 1/1 Pub. 153 - 9/26

Author : Barkan, D. D.; Shekhter, O. Ya.

Title : Theory of forced oscillations of a vibrator with stopping device

Periodical : Zhur. tekh. fiz., 25, No 13 (November), 1955, 2300-2307

Abstract : The theory of forced oscillations of a vibrator with one degree of freedom which hits against an arrestor was developed by I. G. Rusakov and A. A. Kharkevich (ibid., 12, 11-12, 1942) and further by S. A. Tsaplin (Vibroudarnyye mekhanismy [Vibro-shock mechanisms], Avtotransizdat [Automobile Transportation Press], 1953), namely under the assumption that the shocks of the vibrator against the arrestor take place for time intervals nT times the period of the disturbing force of the vibrator; proceeding from this assumption they established the regions of existence of periodic movements of the vibrator. The present authors claim that the Rusakov-Kharkevich conditions are insufficient for the existence of periodic movements of the vibrator, namely that in the interval between 0 and nT the vibrator should not "operate" (i.e. the displacement x of the vibrator should not exceed the gap x_0 between vibrator's hammer and arrestor). They reconsider the solution of the equation of forced oscillations: $Qx'' + cgx = Q_0 ew^2 \cos(wt+\phi) - g(S+Q)$, where Q is the weight of vibrator, c is the stiffness of spring, w is frequency of vibrator, S is the static inertialess load on spring, etc.

Institution :

Submitted : April 2, 1955

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

USSR/Physics - Forced vibrations FD-3154

Card 1/1 Pub. 153 - 10/26

Author : Barkan, D. D.; Shekhter, O. Ya.

Title : Forced oscillations of vibrator in case of mobile arrestor

Periodical : Zhur. tekh. fiz., 25, No 13 (November), 1955, 2308-2312

Abstract : The authors note that in existing methods for computing forced oscillations of vibrator with arrestor (so called vibro-hammer) the arrestor is assumed to be immobile (I. G. Rusakov and A. A. Kharkevich, ibid., 12, 1942; S. A. Tsaplin, 1953). They derive the differential equations describing the oscillations of the absorbing element and of the vibrator taking account of the damping reactions, and obtain the general solution. They conclude that the ratio of the weight of the mobile portion of the vibrator to the weight of the absorbing element turns out to exert an influence upon the power expended during a shock.

Institution :

Submitted : April 20, 1955

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Modern methods in the field of vibration sinking of piles and sheet piling. Trudy NII osn.i fund. no.27:4-11 '55. (MLRA 9:5)
(Piling (Civil engineering))

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; TIKUNOV, P.R.

Some data on the sinking of metal sheet piling by the vibration method. Trudy NII osn.i fund. no.27:12-32 '55. (MLRA 9:5)
(Sheet piling)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

AID P - 3275

Subject : USSR/Mining

Card 1/1 Pub. 78 - 5/24

Authors : Tagiyev, E. I., D. D. Barkan, V. M. Slavskiy, F. F. Voskresenskiy, G. D. Vyskrebtsov

Title : Influence of vibrations on the speed of rotary drilling of hard formations by a three-cutter bit

Periodical : Neft. khoz., v. 33, #9, 20-28, S 1955

Abstract : At the All-Union Scientific Research Institute of Oil Drilling (VNIIburneft'), tests have been made to deterime the influence of forced vertical vibrations on the drilling speed of bits. An empiric formula has been devised in which the increase in speed of rotary drilling of hard formations by three-cutter bits due to forced vertical vibrations is calculated as a function of the parameters of the vibrator, the kind of drilling operations, the diameter of the bit, and specific properties of the drilled formations. Diagram, charts.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; YEGOROV, K.Ye.; POPOV, B.P.; SVETINSKIY, Ye.V.; PEVZNER, A.S., redaktor; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Instructions for deep solidification of weak saturable soil by means of sand piles in laying foundations of buildings and structures] Instruktsiia po glubinnomu uplotneniiu slabykh vodonasyshchennykh gruntov peschanymi svaiami pri ustroistve osnovanii zdanii i s ooruzhenii (I 198-55/Minstroi). Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 44 p. (MLRA 9:12)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye upravleniye.
(Foundations)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

SOV/124-58-1-109

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 14 (USSR)

AUTHORS: Barkan, D. D., Shekhter, O. Ya.

TITLE: Vibro-impact (Spring hammer) Mechanisms With a Special Impact Mass (Vibroudarnyye mekhanizmy so spetsial'noy udarnoy massoy)

PERIODICAL: Tr. N.-i. in-ta osnovaniy i fundamentov, 1956, Nr 28, pp 62-72

ABSTRACT: The authors examine the problem of the steady forced oscillations of a system consisting of two masses, m_1 and m_2, connected to one another by a spring of stiffness c_2; the study applies to the theory of oscillatory hammers (spring hammers; Transl. Ed. Note), with a separate impact mass, employed in the driving of piles and sheet piles. A harmonic perturbation force is applied to the upper mass m_2 with a frequency ω. The lower mass m_1 (impactor - ram) is connected to the immovable foundation (anvil) through a spring of stiffness c_1 and may collide with that foundation in the course of its motion. The impact recovery coefficient R ($0 \leq R < 1$) is taken into account. The law governing the periodic motion of a system with a period of $2\pi n/\omega$ is found, where $n = 1, 2, \ldots$ The formula for the collision speed V obtained by the authors coincides

Card 1/2

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

Vibro-impact (Spring-hammer) Mechanisms With a Special Impact Mass

with the well-known formula of A. A. Rusakov and I. G. Kharkevich (Zh. tekhn. fiziki, 1942, Vol 12, Nrs 11-12) for the special case of $m_2=0$. The conditions of optimization (relative to a maximal speed V) of the "tuning" of an oscillatory hammer are found, and a formula is obtained for the energy consumption thereof. The ranges for n=1 and n=2 for which solutions exist are explored for a laboratory version of an oscillatory (spring) hammer, a description and photograph of which are adduced in the paper. This subject was not explored for the general case, neither is the subject of the stability of the solutions found investigated. The recordings of the experimental oscillations of either mass of the hammer approximate closely the shape of the respective theoretical curves.

I. I. Blekhman

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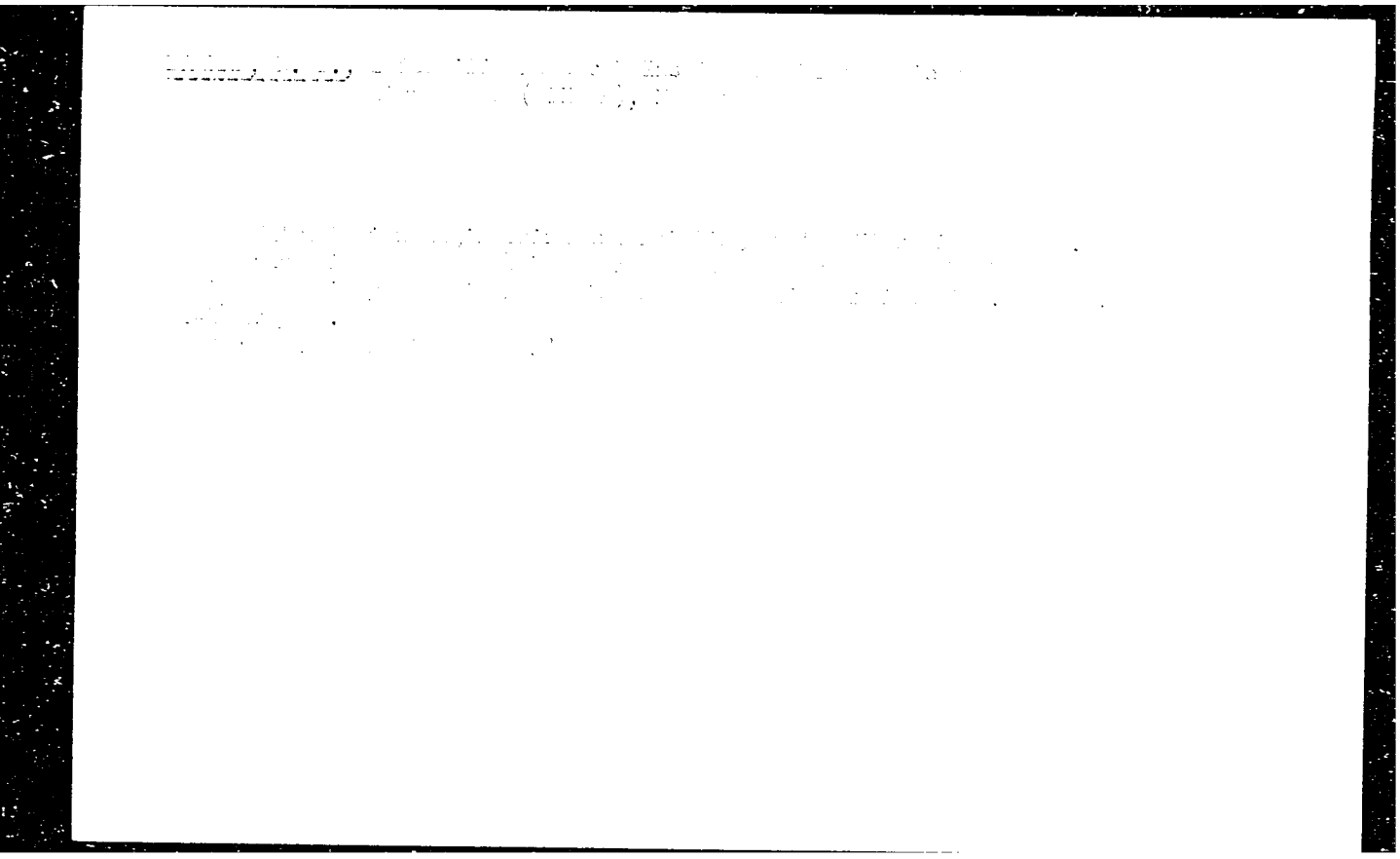
"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4



APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; VOSKRESENSKIY, F.F.; VYSKREBTSOV, G.D.; SLAVSKIY, V.M.; TAGIYEV, E.I.

Effect of vibrations on footage drilled by a single bit.
Neft. khoz. 35 no.10:17-20 O '57. (MIRA 11:1)
(Boring machinery--Vibration)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

YEFREMOV, M.G., inzh.; BARKAN, D.D., prof., doktor tekhn.nauk; MUNITS, A.P., red.izd-va; BOROVNEV, N.K., tekhn.red.

[Information on the vibration method of boring geological test holes for building purposes] Ukazaniia po vibrometodu prokhodki geologorazvedochnykh skvazhin v stroitel'nykh tseliakh. Moskva, 1958. 51 p. (MIRA 12:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut osnovaniy i podzemnykh sooruzheniy.
(Boring machinery)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; SHEKHTER, O.Ya.

Theory of forced oscillations with a stop. [Trudy] NIIOSP no.32:42-50 '58. (MIRA 12:2)
(Vibration)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, Dominik Dominikovich; BORSHCHEVSKAYA, N.M., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Using vibration methods in building] Vibrometod v stroitel'stve. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 314 p. (MIRA 12:10)

(Vibrators)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Principal problems in the further development of vibration methods in construction. Osn., fund. i mekh. grun. no.4:1-3 '59.
(MIRA 12:10)

(Vibrators)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; TIKUNOV, P.R.; SHEKHTER, O.Ya.; PREOBRAZHENSKAYA, N.A.; SAVINOV, O.A.; LUSKIN, A.Ya.; GREBENNIK, A.A.; MERZLYAK, TS.N.; ALEKSANDROV, M.A.; TSAPLIN, S.A.; PAVLOVA, A.B.; DITRIKH, Yu.V.; KHAVIN, B.N., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Instructions for driving and extracting steel pile planks using SN 59-59 vibrators] Instruktsiia po pogruzheniiu i izvlecheniiu stal'nogo shpunta vibropogruzhateliami SN 59-59. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 46 p. (MIRA 13:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh sooruzheniy Akademii stroitel'stva i arkhitektury SSSR (for Barkan, Tikunov, Shekhter, Preobrazhenskaya). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhnicheskikh i sanitarno-tekhnicheskikh rabot (VNIIGS) (for Savinov, Luskin). 4. Fundamentproyekt (for Grebennik, Merzlyak). 5. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya (VNIIStroydormash) (for TSaplin). 6. Gidroproyekt (for Pavlova). 7. Gidrospetsfundamentstroy (for Ditrikh).
(Vibrators) (Piling (Civil engineering))

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

SAVINOV, O.A., doktor tekhn.nauk; LUSKIN, A.Ya., inzh.; BARKAN, D.D., prof., doktor tekhn.nauk, nauchnyy red.; KAPLAN, M.Ya., red. izd-va; PROKOF'YEV, R.V., tekhn.red.; VORONETSKAYA, L.V., tekhn.red.

[Vibration method of pile driving and its use in construction] Vibratsionnyi metod pogruzheniia svai i ego primenenie v stroitel'stve. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 250 p. (MIRA 13:5)
(Vibrators) (Piling (Civil engineering))

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Results of the conference on using vibration in constructing foundations. Osn., fund.i mekh.grun. 2 no.4:10-12 '60. (MIRA 13:7)

(Vibration) (Foundations)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Vibration sinking of sheet piles and similar elements.
Osn., fund. i mekh grun. 2 no.5:9-10 '60. (MIRA 13:9)
(Piling (Civil engineering)) (Vibration)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; SHEKHTER, O.Ya.

Settling caused by the action of dynamic loads. Trudy NIIOSP no.44:88-95 '61. (MIRA 14:8)
(Vibration) (Soil mechanics)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Improving the structural properties of soils in the construction of a metallurgical plant in Dunkirk (France). Osn., fund. i mekh. grun. 3 no.5:28-30 '61. (MIRA 14:11)
(Dunkirk, France--Soil stabilization)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D. D.

Vibration method of sinking pilings, sheet pilings, pipes, boring holes, and breaking soil. Sbor. trud. MISI no.39: 155-156 '61. (MIRA 16:4)

1. Chlen-korrespondent Akademii Stroitel'stva i arkhitektury SSSR.

(Piping(Civil engineering)) (Boring)
(Vibration)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; SHEKHTER, O.Ya.

Theory of the surface compaction of soil. [Trudy] NII osn. no.51:5-26 '62. (MIRA 16:2)
(Soil stabilization)
(Vibrators)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Bodine's sonic vibrator. Osn., fund. i mekh. grun. 5 no.1:24-26 '63. (MIRA 16:5)
(Vibrators) (Piling (Civil engineering))

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.; KERSHENBAUM, N.Ya.; MINAYEV, V.I.

Vibroshock unit for horizontal drilling. Trudy MINKHiGP 46: 34-45 '64.

Dynamic load on a bit in vertical drilling with bottom engines. Ibid.: 45-59

Equation for the longitudinal vibration of a drilling string. Ibid.: 60-6. (MIRA 17:6)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.D.

Main problems in the dynamics of foundation beds and foundations. Osn., fund. i mekh. grun. 7 no. 6:29-30 '65. (MIRA 18:12)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, D.V.

Feeding of patients who refuse to eat by means of intravenous use of sodium amytal with caffeine. Sbor. turd. Len. nauchn. ob-va nevr. i psikh. no.6:271-278 '59. (MIRA 13:12)

1. Iz 14-go otdeleniya (zav. - kand.med.nauk A.L. Gunari) 3-y psikhonevrologicheskoy bol'nitsy (glavnyy vrach N.D. Bulkin).
(AMOBARBITAL) (CAFFEINE)
(MENTALLY ILL--CARE AND TREATMENT)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

ACC NR: AP7002592 (A,N) SOURCE CODE: UR/0413/66/000/023/0097/0097

INVENTOR: Levin, V.I.; Barkan, I.A.

ORG: none

TITLE: Pneumatic comparing element. Class 42, No. 189221. [announced by Scientific Research Institute of Heat and Power Engineering Equipment (Nauchno-issledovatel'skiy institut teploenergeticheskogo priborostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 97

TOPIC TAGS: pneumatic device, pneumatic control

ABSTRACT:

An Author Certificate has been issued for the pneumatic comparing element shown in Fig. 1. To increase functional versatility and to simplify construction the displacement-to-pneumatic signal converter is made in the form of a chamber (which is connected to the output channel) with coaxial nozzles. Inside the chamber is placed a ball which interacts with the rod of the diaphragm assembly. The rod passes through one nozzle.

Card 1/2 UDC: 681.142.07-525

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

ACC NR: AP7002592

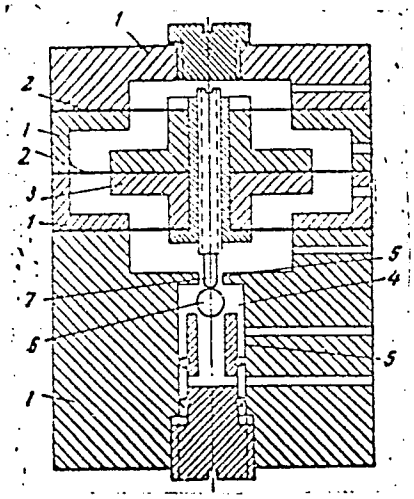


Fig. 1. Pneumatic comparing element

1 - Sections; 2 - diaphragm; 3 - rigid components of diaphragm assembly; 4 - chamber; 5 - nozzle; 6 - ball; 7 - rod.

SUB CODE: 13/ SUBM DATE: 24May65 / ATD PRESS: 5113

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

[redacted], I.L., inzh.

Irrigation systems should be provided with new [illegible]
Elektrotekhnika 36 no.3:23-25 Mr '65.

1. Vsesoyuznyy proyektno-tekhnologicheskiy [illegible]
nauchno-issledovatel'skiy institut vodokhozyaystvennogo [illegible]

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

STEPANYAN, Ye.P.; BARKAN, I.N.

Polarographic study of the respiration and phosphorylation in mitochondria of the myocardium under the effect of ether narcosis and lystenone. Dokl. AN SSSR 165 no.2:457-460 N '65. (MIRA 18:11)

1. Institut serdechno-sosudistoy khirurgii AMN SSSR. Submitted December 30, 1964.

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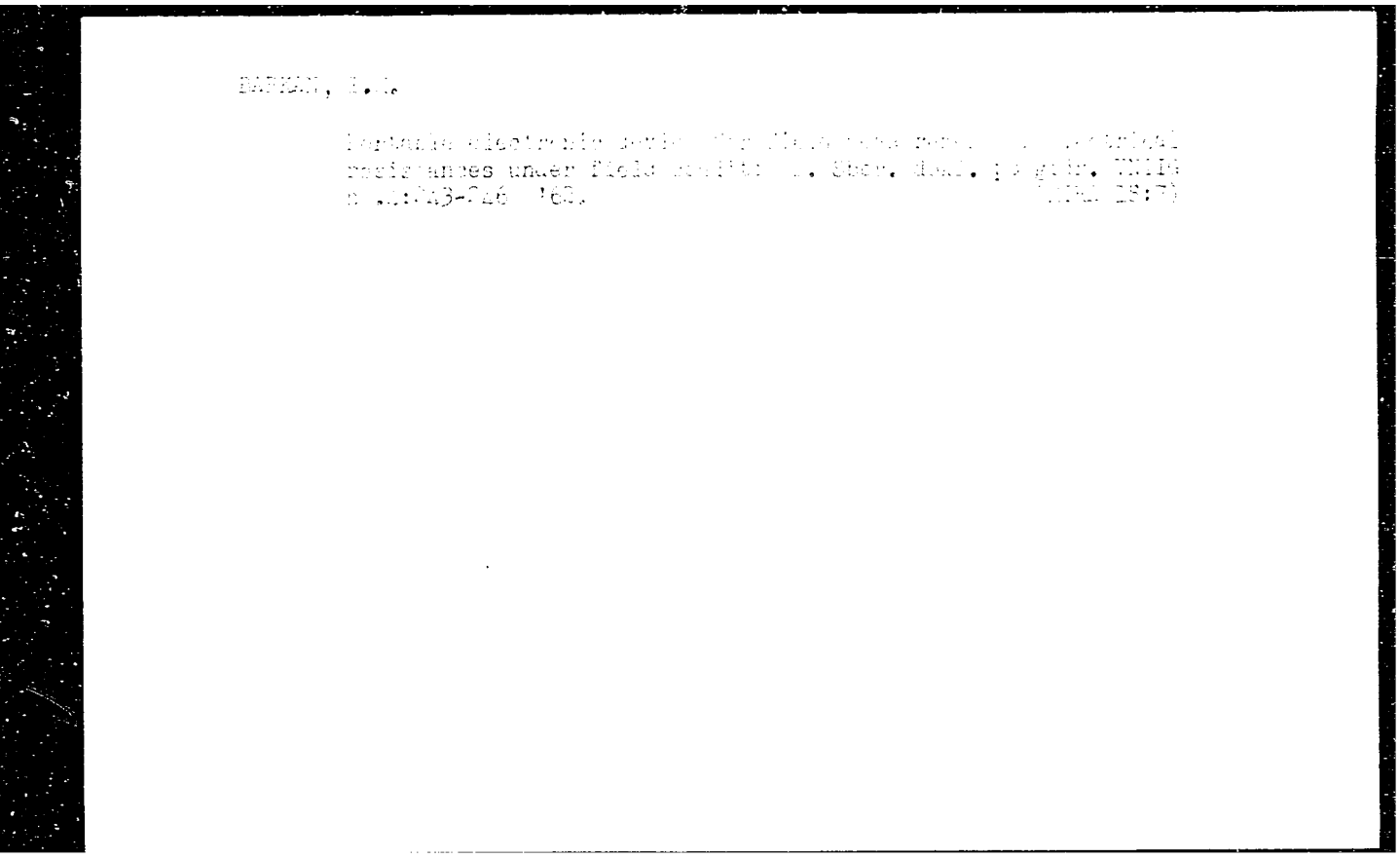

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, I.M., inzh.

Control system for a powerful electromagnet. Priborostroenie no.9:28 S '65. (MIRA 18:10)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

POTAPOV,V.P.;BARKAN,I.N.; DEM'YANKOV,N.V.; KANSHIN,M.D.; L'VITSYN,N.F.; MASTERITSYN,N.N.; NOZDRIN,A.A.; PADNYA,V.A.; RIDEL',E.I.; FERAPONTOV,G.V.; SHAMAYEV,M.F.; SHATSKAYA,E.P.; SHAVKIN,G.B., inzhener, redaktor; KHITROV,P.A., tekhnicheskiy redaktor

[Advanced methods in shipment and commercial handling of goods] Peredovye metody truda gruzovykh i kommercheskikh rabotnikov, Izd. 2-oe. Moskva, Gos.transp.zhel-dor. izd-vo, 1955. 286 p. (MLRA 9:2)

(Material handling) (Transportation--Equipment and supplies)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, Isaak Naumovich; PRIGOROVSKIY, V.F., redaktor; BOBROVA, Ye.N., tekhnicheskiy redaktor

[Preparing railroad cars for transporting food products; experience of the Odessa line] Podgotovka vagonov dlia perevozki prodovol'stvennykh gruzov; opyt Odesskoi dorogi. Moskva, Gos. transp. zhel-dor. izd-vo, 1957. 37 p. (MLRA 10:4)
(Railroads--Freight cars)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, I.N.

Urgent problems in livestock transportation. Zhivotnovodstvo 19 no.12:81-82 D '57. (MIRA 10:12)
(Domestic animals--Transportation)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, I.N., inzh. (Odessa)

Mobile loader used for icing refrigerator cars. Zhel. dor. transp. 40 no. 7:73 Jl '58. (MIRA 11:7)

(Refrigerator cars)
(Railroads--Equipment and supplies)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, I.N.

New technology for disinfecting and deodorizing freight cars.
Veterinariia 36 no.3:67 Mr '59. (MIRA 12:4)

1. Nachal'nik otdela khladotransporta Odesskoy zheleznoy dorogi.
(Railroads--Sanitation)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

GERASIMOV, L.A.; BARSAN, I.V.

Universal pneumatic drives for plunger blocks. Machinostroitel' no.12 S '62. (MIRA 15:9)
(Drilling and boring machinery—Pneumatic driving)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

KALLAI, Laszlo, dr.; HADZIC, Nijaz, dr.; MARINSEK-BROZ, Viktorija, dr. CICIN-SAIN, Simo, dr. BARKAN, Ivo, dr.

Hiatal hernia. Lijecn. vjesn. 86 no.10:1195-1214 O '64

1. Iz Interne klinike, Zavoda za radiologiju i Kirurske klinike Medicinskog fakulteta u Zagrebu.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, L.

Telephone and radio installations in plans for rural districts.
Sel. stroi. no.4:21 Ap '62. (MIRA 15:8)

1. Glavnyy spetsialist instituta Rosgiprosel'khozstroy.
(Telephone) (Wire broadcasting)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, L.Z., inzh.; KOLOMSKA, L.M.

Adjustment of short-circuit to a ground protection system in 6 kv. network with capacitive current compensation. Elek. sta. 33 no.5:89-90 My '62. (MIRA 15:7)
(Electric power distribution)
(Electric protection)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

SAVEL'YEV, [illegible]; KOVAL'SKAYA, A.V.; BERUKOV, F.V.; GALKIN, Ye.P.; KRONROTIN, A.I.; LINEGURKIN, V.V.; EPSHTEYN, A.L.; [illegible]; LAVRENTIYA, V.I.; [illegible], A.A.; KONTOROVICH, L.M.; [illegible]; [illegible]; [illegible]; KOLCHAROV, S.N.; POLUSHKIN, P.E.; LIND, N.A.; [illegible]; D'YACHENKO, V.I.; FILIPPOV, I.F.; KHUTORETSKIY, G.M.; VARLAMYAN, G.P.; RUSOV, Ye.K.; [illegible], L.Z.; KOLOMEYKA, L.M.; GORBACHENKO, F.I.

[illegible] Energ. i elektrotekh. prom. No.2 [illegible]

(MLRA 7:3)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, M.A.

IZRAYELIT, G.B., inzhener; LOYTSYANSKAYA, M.G.; KHOMYAKOV, M.V., inzhener; BARKAN, M.A., inzhener; KARAMZIN, A.P., inzhener; LYSAKOVSKIY, G.I., inzhener; VOLODIN, M.N., inzhener.

Testing the insulation of concrete reactors. Elek.sta. 25 no.10:41-47 O '54. (MLRA 7:11)

1. Mosenergo (for Khomyakov). 2. Gorenergo (for Barkan). 3. Sverdlovenergo (for Karamzin). 4. Donbassenergo (for Lysakovskiy). 5. Chelyabenergo (for Volodin).
(Electric insulators and insulation)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, M. A.

AID P - 2421

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 20/33

Author : Barkan, M. A.

Title : Damage of connection sleeves on a 35-kv underwater cable line

Periodical : Elek sta 5, 51-52, My 1955

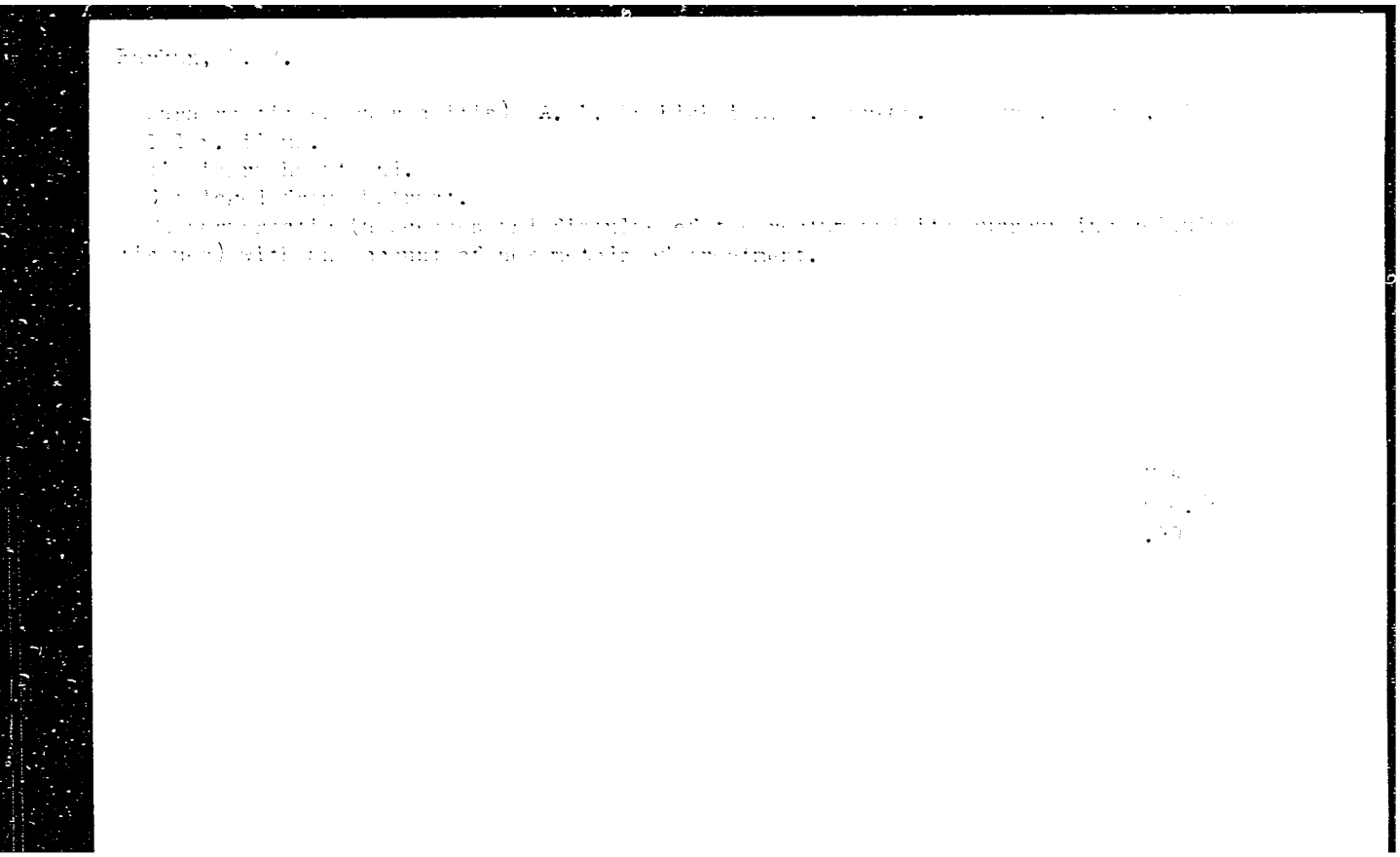
Abstract : The failure of a coupling consisting of two lead pipes of an underwater 35 kv transmission line is described. A mathematical analysis of permissible load is given. The author recommends more study of working conditions and cable laying. Two drawings, 1 diagram.

Institution: None

Submitted : No date

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4



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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

RYZHIKH, A. N. Prof., LARKAN, M. E., TIMOFEYEV, N. S. Docent

Rectum - Diseases

"Paraproctitis; abscesses and fistulas of the rectum and of the cellular tissue with the exposition of new therapeutic methods." Khirurgiia no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1953. Uncl.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, M.B., kand. med. nauk

Conservative treatment of anal fissures. Sovet. med. 27 no.9: 109-113 S'63 (MIRA 17:1)

1. Iz poliklinikl Upravleniya delami Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov (glavnyy vrach N.G. Doyev) i TSentral'noy Kirovskoy poliklinlki (glavnyy vrach E.Ye. Inasaridze) Moskovskogo gorodskogo otdela zdravookhraneniya.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, I..., kand. med. nauk (Moskva, ul. Chernyshevskogo, 45, kv.35)

Prodol... ba. Vest. ...r. 92 no.2:101-103 F '64.
(MIRA 17:9)

1. 1... ...skoy t... ...l'noy poliklinik (glavnyy vrach - E.Ye.In... ...idze) Moskovskogo gorodskogo otdela zdravookhraneniya.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BAKKAN, Moka Borisovich; SIMONYAN, K.S., red.

[Conservative treatment of early fractures of the pelvis in out-patient polyclinic conditions] Konservativnoe lechenie ranniikh perelomov taza v usloviiakh poliklinicheskoi pomoshchi. Moskva, Meditsina, 1965. 103 p.
(MIRA 18:6)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, M.S., nauchnyy sotrudnik.

Substitutes for leather. Nauka i zhizn' 20 no.11:12 N '53. (MLRA 6:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut promyshlennosti zamenitelay kozhi.
(Leather substitutes)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, M. S. Cand Tech Sci -- (diss) "Characteristics of the Production of ~~X~~ Footwear Cartons ~~From~~ Various Forms of Leather Fibers and Adhesives," Mos, 1957. 17 pp 20 cm. (Min of Higher Education USSR, Mos ~~Engineering~~ Inst of Light Industry im L. M. Kaganovich), 100 copies (KL, 25-57, 112)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

AUTHORS: Kuz'min, V.V., Kostryukova, L.I., Barkan, M.S., Silant'yev, N.K., and Shulishnin, P.N. SOV/19-58-6-56/085

TITLE: A Method of and Installation for Continuous Preparation of Fibrous Mass in the Production of Cardboard for Footwear (Nepreryvnyy sposob prigotovleniya voloknistoy massy v proizvodstve obuvnykh kartonov i ustanovka dlya yego osushchestvleniya)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 122 (USSR)

ABSTRACT: Class 55a, 7. Nr 113606 (589583 of 25 Dec 57) Submitted to the Committee for Inventions and Discoveries at the Ministers Council of USSR. Continuous preparation of fibrous mass from tanning and chrome production waste, rags, and cellulose; including the operations of crushing, coarse and fine grinding of waste materials, and mixing them with cellulose; simplifying the technology and improving the quality of the mass by crushing unsoaked waste, wettening it simultaneously with coarse grinding, and fine-grinding it in three stages:

Card 1/2

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

A Method of and Installation for Continuous Preparation of Fibrous Mass in the Production of Cardboard for Footwear

loosening it, breaking it up, and cutting the fibre. The installation consists of cracker rolls, cavitators for coarse grinding and wetting, and disc mills for fine grinding and mixing the waste with cellulose.

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, M.S., kand.tekhn.nauk; KOSTRYUKOVA, L.I., kand.tekhn.nauk; KUZ'MIN, V.V., kand.tekhn.nauk

Improving the preparation and milling of fibrous materials. Leg.prom. 18 no.7:40-43 Jl '58. (MIRA 11:9)
(Leather industry--By-products)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, Mikhail Sergeyevich; KOSTRYUKOVA, Lidiya Ivanovna; VOYUTSKIY, S.S., prof., doktor khim.nauk, retsenzent; LIVSHITS, I.D., kand. tekhn.nauk, retsenzent; MINAYEVA, T.M., red.; KNAKNIN, M.T., tekhn.red.

[Use of leather fibers in manufacturing cardboard for shoes] Primenenie kozhevennogo volokna v proizvodstve obuvnykh kartonov. Moskva, Gos.nauchno-tekhn.izd-vo legkoi promyshl., 1959. 129 p. (MIRA 12:12)

(Leather substitutes) (Shoe manufacture)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

PASIN, D.M.; BARKAN, N.V.

Resources of materials containing pentosans and possibilities for their utilization. Gidroliz. i lesokhim.prom. 9 no.1:26-27 '56. (MLRA 9:6)

1.Giprogidroliz.
(Pentosans)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

DOLBNIN, A.V.; BARKAN, N.V.; BELYAYEVSKIY, I.A.

Basic qualitative index of the operation of hydrolysis plants. Gidroliz. i lesokhim.prom. 10 no.1:29-31 '57. (MLRA 10:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrolizhoy i sul'fitno-spirtovoy promyshlennosti.
(Hydrolysis)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

5.3300
5.1190

S/153/60/003/02/28/034
B011/B006

AUTHORS: Maslyanskiy, G. N., Bursian, N. R., Barkan, S. A., Kobelev, V. A., Telegin, V. G.

TITLE: Catalytic Isomerization of n-Pentane

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 2, pp. 359-[illegible]

TEXT: Aluminum chloride, besides having certain advantages, also possesses disadvantages which complicate isomerization. In the years between 1948 and 1951, i.e. at a much earlier date than the USA scientists (Refs. 2-4), the authors developed a process for isomerizing normal paraffinic hydrocarbons (from butane to heptane inclusively) (Refs. 5,6) which does not differ fundamentally from the American process. Tungsten sulfide- and specially prepared platinum catalysts were used. They are catalytically active around 400°, so that the reaction proceeds only at increased pressure in presence of hydrogen and by circulating the gas. The catalysts are discussed. The tungsten sulfide WS_2 proved to be most suitable. Characteristic data on its mode of action in n-hexane isomerization [illegible]

Card 1/3

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

given in Table 2. Under normal conditions, WS_2 is fairly insensitive to poisoning. After 1500 h however, the degree of isomerization of n-hexane drops from 58.5% to 54%. The stability of WS_2 can be maintained by admixing slight quantities of sulfur to the raw material. This complicates the technical process and corrodes the apparatus. In the case of platinum on fluorinated aluminum oxide, the authors investigated the effect of an increase in fluor content on the activity of the catalyst. It is seen from the results obtained, that the Al-Pt catalyst, prior to activation with fluorine, does not catalyze the isomerization of n-hexane (Fig. 1). At fluorine contents of up to 5%, catalytic activity increases considerably. A further rise in the F content (up to 15%) increases the activity but slightly. Table 1 shows the specific surface of the catalyst as a function of the F content. The above-mentioned increase in activity cannot be explained by an increase in the specific surface alone, but is also due to changes in the chemical and physical properties of the catalyst. The activity of 0.6% platinum on an aluminum silicate carrier can be increased greatly by changing the properties of the carrier (Table 2). The results obtained using 0.6% palladium on aluminum silicate (Table 2) were even better than those obtained with Pt (52% yields of isopentane). Palladium

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

on aluminum silicate can therefore be applied as a suitable substitute for platinum on the same carrier. Finally the authors describe the technical process and give a basic scheme of the isomerization apparatus (Fig. 2). This paper was read at the Vsesoyuznaya Konferentsiya "Puti sinteza iskhodnykh produktov dlya polucheniya vysokopolimerov" (All-Union Conference "Ways for Synthesizing Initial Materials for the Preparation of High Polymer Substances) held at Yaroslavl' from September 29 to October 2, 1958. The specific surface was determined by G. M. Osmolovskiy. There are 2 figures, 2 tables, and 17 references, 9 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov (All-Union Scientific Research Institute of Petroleum-chemical Processes)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

S/065/60/000/009/004/006/XX
E030/E112

AUTHORS: Maslyanskiy, G.N., Bursian, N.R., Kamusher, G.D., Barkan, S.A., and Shuvayev, Ye.S.

TITLE: Catalytic Reforming of Benzine Fractions on a Platinum Catalyst

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1960, No. 9, pp. 1-9

TEXT: Full-scale plant studies have been conducted on reforming Eastern and Southern crudes on a platinum/alumina catalyst. Rumanian, Kirkuk, and Egyptian crudes have also been investigated. Two types of plant have been developed with reactor pressures around 20 and 40 atmospheres respectively, the former being better for producing high octane spirit and aromatics for organic synthesis. With a 60-120 °C straight-run fraction at 465 °C, the aromatic yield falls from 37% weight to 22%, and at 505 °C from 36 to 32%, on increasing the pressure from 20 to 40 atmospheres. However, coking of the catalyst and deactivation by sulphur compounds become troublesome at the lower pressures, especially with C_8 and heavier fractions. If the sulphur content

Card 1/3

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

S/065/60/000/009/004/006/XX
E030/E112

Catalytic Reforming of Benzine Fractions on a Platinum Catalyst

of the crude rises from 0.01% to 0.17%, the octane number falls from 77.3 to 70.3, the aromatic yield falls 1.7 times, and the gas yield increases 1.5 times. The sulphur content of the feedstock should be less than 0.02%, especially at 20 atmospheres operation. For low sulphur crudes (0.05-0.7% sulphur feed), the H_2S is removed from the circulating gas with ethanolamine, and for high sulphur feeds (greater than 0.7% weight sulphur) hydrofining is necessary. The catalyst can be regenerated by oxidation for about 30 hours at 300-450 °C, with 0.8-1.5% of oxygen in the gas which circulates at 10-20 atmospheres. After subsequent regeneration, the aromatic yield falls by 30-50%. Oxidation at higher temperatures (around 550 °C) is impracticable because the catalyst becomes deactivated. The most important crude factor determining the yield of high octane spirits and aromatics is the naphthene content. Southern crudes (containing about 50% naphthenes) yield 1.5 times more aromatics than Eastern crudes (containing about 25% naphthenes), the difference becoming greater as higher boiling feedstocks are used. At 80 ON severity, the 85-180 °C cuts yields 62% motor

Card 2/3

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

S/065/60/000/009/004/006/XX
E030/E112

Catalytic Reforming of Benzine Fractions on a Platinum Catalyst

spirit from Eastern crude, and 91% from Southern crudes.
A.A. Potapova participated in the work.
There are 2 figures, 4 tables and 17 references: 5 Soviet and 12 non-Soviet.

ASSOCIATION: VNIIneftekhim, Gipronefteravody
(VNIIneftekhim, Giproneft Works)

Card 3/3

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

MASLYANSKIY, G.N.; BURSIAN, N.R.; KAMUSHER, G.D.; BARKAN, S.A.; POTAPOVA, A.A.

Effect of the hydrocarbon and fractional composition of the raw material on the yield and quality of catalytically reformed gasolines. Khim. i tekh. topl. i masel 8 no.4:5-11 Ap '63. (MIRA 16:6)

(Gasoline) (Petroleum--Analysis)
(Cracking process)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

[illegible]SLYANSKIY, G.N.; [illegible]; [illegible]

Methods for the further perfection of the catalytic reforming process. Neftepererab. i neftekhim no.9:3-7 '64. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov, Leningrad.

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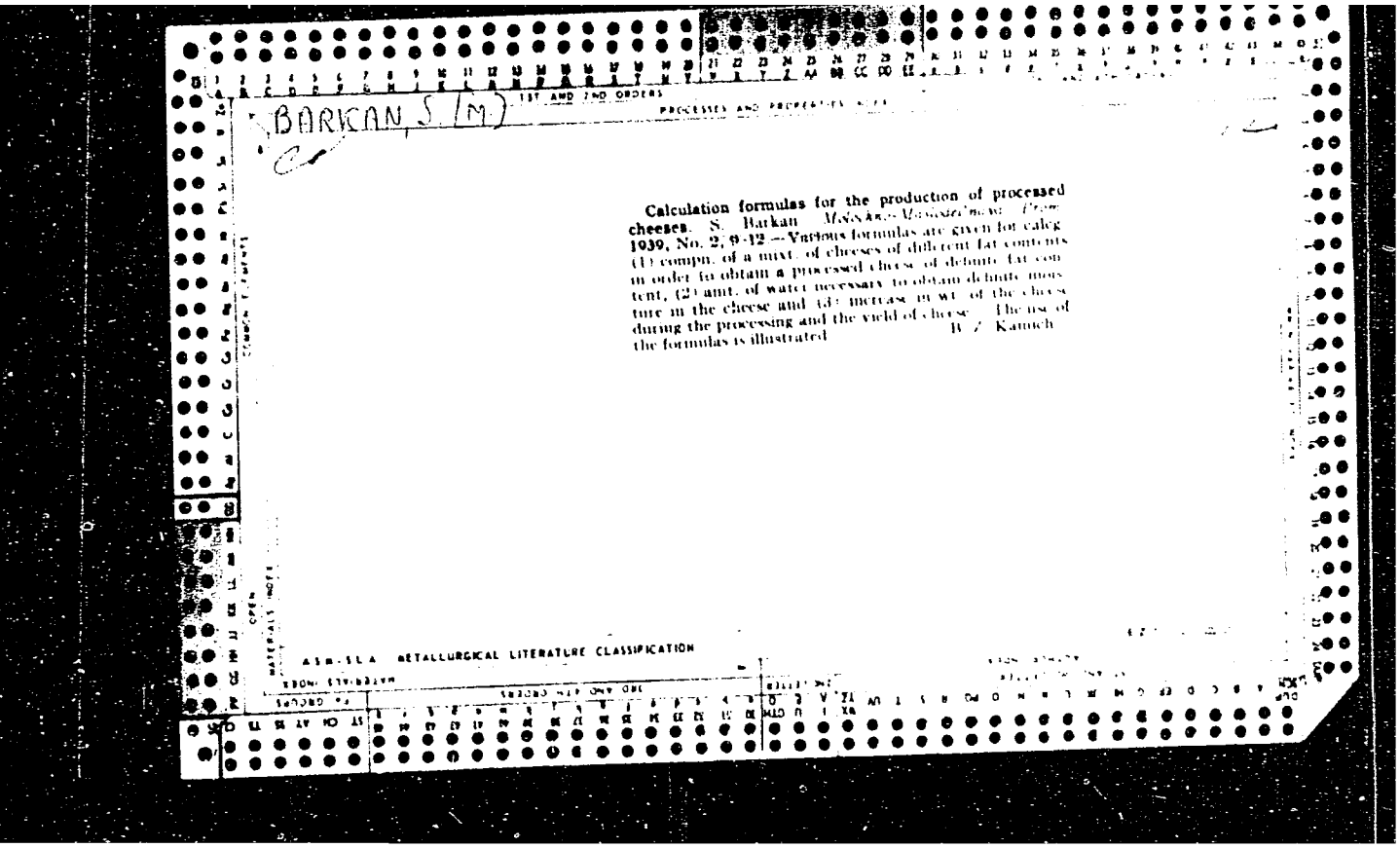

BARKAN, S (M)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES

Calculation formulas for the production of processed cheeses. S. Barkan *Молочная Промышленность (Dairy Industry)* 1939, No. 2, 9-12.—Various formulas are given for calcg (1) compn. of a mixt. of cheeses of different fat contents in order to obtain a processed cheese of definite fat content, (2) amt. of water necessary to obtain definite moisture in the cheese and (3) increase in wt. of the cheese during the processing and the yield of cheese. The use of the formulas is illustrated. B. Z. Kamich

ASM-ILA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

Barkan, S. M.

Selection of salts-solvents in the production of processed cheese. S. M. Barkan. *Trudy Moskov. Tekhnol. Inst. Myasn. i Molochn. Prom.* 1954, No. 2, 52–7; *Referat. Zhur., Khim.* 1955, No. 4920.—It was shown experimentally that the preferred salts-solvents should be incompletely substituted salts of univalent cations and polybasic weak acids.

M. Hosch

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APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

USSR / Chemical Technology. Chemical Products and Their Application. Food Industry. I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10329

Author : Surkov, V., Barkan, S., and Repina, L.
Inst : Not given
Title : Observation of the Structural Elements of Milk and of Some Dairy Products With the Electron Microscope.

Orig Pub : Molech. prom-st, 1955, No 4, 30-31

Abstract : Specimens of milk, cream, and skimmed milk, as well as specimens of 5 types of cheeses have been investigated under the electron microscope with a magnification of 5,000 - 7,000 diameters. The dimensions of the globules of fat were found to be 0.1-15μ, the finer particles approaching most closely to a spherical shape. The protein particles investigated were found to have spherical shapes of diameters up to 0.1μ and were observed to occur both as isolated parti-

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

USSR / Chemical Technology. Chemical Products and Their Application. Food Industry. I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10329

Abstract : cles and as agglomerates. In milk of higher acidity, the protein particles were found to coalesce into grape-like clusters. Mature cheese was found to have a grainy structure; sections of unripened cheese were found to be devoid of grain structures. A method for the preparation of the specimens is described and 24 photomicrographs are included.

Technol. Inst. Meat Dairy Ind., Moscow

Card : 2/2

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, S.M.

5

Wrapping material for cheese, meat, and other foods. V. D. Surkov, A. A. Berlin, S. M. Barkan, A. S. Nikolaev, and V. F. Garbunov. U.S.S.R. 102,370, Mar. 25, 1956. To make it gas and moisture impermeable, paper, cellophane, or tinfoil is coated with a mixt. of 40-60 parts of paraffin melted with polyisobutylene at 100-20°. To prevent contact of the protective mixt. with the food, a film of the paraffin-polyisobutylene mixt. is interlayed between 2 sheets of paper, etc. M. Hosch

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BERLIN, A.A., doktor tekhnicheskikh nauk, professor; BARKAN, S.M., kandidat sel'skokhozyaystvennykh nauk.

Protective films. Nauka i zhizn' 23 no.7:54-55 Jl '56. (MLRA 9:9)
(Packaging)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

MORCZOVA, N.M.; BARKAN, S.M.

Lowering acidity of milk with anionites. Izv.vys.ucheb.zav.; pishch.tekh. no.5:64-67 '58. (MIRA 11:12)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, kafedra analiticheskoy khimii, kafedra tekhnologii moloka.
(Milk--Composition) (Anions)

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BERLIN, A.A.; BARKAN, S.M.

Utilization of polymer materials in the food industry. Izv.vys. ucheb.zav.; plshch.tekh. no.6:3-19 '58. (MIRA 12:5)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, Kafedra fizicheskoy i kolloidnoy khimii i Kafedra tekhnologii moloka.
(Protective coatings) (Polymers)

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BERLIN, Al'fred Anisimovich; BARKAN, Solomon Mendelevich; LOSEV, I.P., otv.red.; VYAZEMTSEVA, V.N., red.izd-va; YEGOROVA, N.F., tekhn.red.

[Polymers in the food industry and in agriculture] Polimery v pishchevoi promyshlennosti i sel'skom khoziaistve. Moskva, Izd-vo Akad.nauk SSSR, 1959. 90 p. (MIRA 12:9)
(Plastics)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BERLIN, A.A.; SURKOV, V.D.; BARKAN, S.M.

Utilization of paraffin-polyisobutylene compositions for the manufacture of moisture-resistant packaging materials. Izv.vys.ucheb. zav.; pishch.tekh. no.1:94-99 '59. (MIRA 12:6)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, kafedra tekhnologii moloka i molochnykh produktov.
(Packaging)

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..., inzh.,red.; TSIKEL'SON, N.E., doktor ...nauk,
...
...
khoz. ...,
...

2. Predsedatel' Natsional'nogo komiteta SSSR po molochno...

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BA[illegible], S.K. [deceased]; SOKOLOVA, Z.S.; SHIL'OVA, L.V.

[Characteristics of the [illegible] for the [illegible] rindless cheese] Osobennosti tekhnologii proizvodstva beskorkovykh syrov. Moskva, TSentr. in-t nauchno-[illegible] informatsii p[illegible] shchevoi promyshl., 1964. 36 l. (MIRA [illegible])

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

GEFDIN, A.K., kand. tekhn. nauk; BAIKAN, S.Ye., inzh.

Laying pipelines by the method of pushing. Biul. tekh. inform. 4 no. 6:15-18 Je '58. (MIRA 11:7)

(Pipelines)

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BARKAN, TS.

Organizing fire extinction in villages of Leningrad Province.
Pozh. delo 5 no.10:20-21 O '59. (MIRA 13:2)

1.Zamestitel' nachal'nika otdela gosudarstvennogo pozharnogo nadzora Upravleniya pozharnoy okhrany Lenoblispolkoma.
(Leningrad Province--Villages--Fires and fire prevention)

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BARKAN, V. (Khar'kov)

More about payments to industrial workers and salaried employees.
Bukhg.uchet 16 no.3:32-34 Mr '57. (MLRA 10:5)

1.Glavnyy bukhgalter Khar'kovskoy trikotazhnoy fabriki.
(Wages) (Business records)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

ZAKRZHEVSKIY, Eduard Rudol'fovich; BAKHAN, V., red.; DIK, V., tekhn. red.

[Reconditioning and using dug wells]Restavratsiia i ekspluatatsiia shakhtnykh kolodtsev. Minsk, Gos. izd-vo sel'khoz.lit-ry BSSR, 1962. 36 p. (MIRA 15:12)
(White Russia--Wells)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

KHARITONOVICH, F.N., otv. red.; BEREZENKO, N.M., zam. otv. red.
MOISEYENKO, F.P., red.; ORLENKO, Ye.G., red.; OSTROGLAZOV, V.A., red.; RYVKIN, B.V., red.; SAVCHENKO, A.I., red.; SINITSKIY, V.P., red.; POBEDOV, V.S., red.; BARKAN, V., red.; ZUYKOVA, V., tekhn. red.

[Forestry science and practice]Lesovodstvennaia nauka i praktika. Minsk, Sel'khozgiz BSSR, 1962. 246 p. (MIRA 16:1)
(White Russia--Forests and forestry)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

OPEYKO, Fedor Aleksandrovich; BARKAN, V.A., red.; ZUYKOVA, V.I., tekhn.red.

[Crawler and wheeled drives] Kolesnyi i gusenichnyi khod. Minsk, Izd-vo Akad.sel'khoz.nauk BSSR, 1960. 227 p. (MIRA 13:12)

1. Chlen-korrespondent Akademii nauk i Akademii sel'skokhozyaystvennykh nauk BSSR (for Opeyko).
(Tractors)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

VINBERG, G.G., prof., red.; BARKAN, V.A., red.; GES', N.D., red.; BELEN'KAYA, I.Ye., tekhred.

[Transactions of the Fifth Conference on the Study of Inland Waters of the Baltic Sea Region] Trudy Nauchnoi konferentsii po izucheniiu vnutrennikh vodoemov Pribaltiki. Pod red. G.G. Vinberga. Minsk, Izd-vo Belgosuniv.im.V.I.Lenina, 1959. 280 p. (MIRA 13:10)

1. Nauchnaya konferentsiya po izucheniyu vnutrennikh vodoyemov Pribaltiki. 5th, Minsk, 1957. 2. Belorusskiy gosudarstvennyy universitet im. V.I.Lenina (for Vinberg).

(Baltic Sea region--Limnology--Congresses)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

OPEYKO, Fedor Aleksandrovich; BARKAN, V.A., red.; YERMILOV, V.M., tekhn. red.

[Design stresses; theory of strength] Raschetnye napriazheniia; teoriia prochnosti. Minsk, Izd-vo Akad. sel'khoz. nauk BSSR, 1960. 19 p. (MIRA 14:5)
(Strains and stresses)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

SMOLYAK, L.P.; OSTROGLAZOV, V.A.; BARKAN, V.A., red.; TSVIRKO, K.A., red.; YERMILOV, V.M., tekhn.red.

[Improvement of forest bog and swampy soils by small-scale drainage network] Melioratsiia lesnykh bolot i zabolochennykh zemel' melkoi osushitel'noi set'iu. Minsk, Izd-vo Akad.sel'khoz. nauk BSSR, 1960. 20 p. (MIRA 14:12)
(Drainage)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

KACHURO, Ivan Mikhaylovich; ROZENBLYUM, Boris Moiseyevich; MINKEVICH, I.A., akademik, red.; BARKAN, V.A., red.; ZUYKOVA, V.I., tekhn. red.

[Instructions for developing and introducing an efficient management system on collective and state farms of the White Russian SSR] Metodicheskie ukazaniia po razrabotke i vnedreniiu ratsional'noi sistemy vedeniia khoziaistva v kolkhozakh i sovkhozakh BSSR. Pod red. I.A. Minkevicha. Minsk. Izd-vo ASKhN BSSR, 1960. 70 p. (MIRA 14:9)

1. Akademiya sel'skokhozyaystvennykh nauk BSSR (for Minkevich).
(White Russia--Agriculture)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

MAKAROV, Grigoriy Yefimovich; ARESHCHENKO, Vladimir Denisovich; BARKAN, V.A., red.; YERMILOV, V.M., tekhn. red.

[Organization of work in forest enterprises] Organizatsiia truda na predpriiatiiakh lesnogo khoziaistva. Minsk, Gos.izd-vo sel'-khoz.lit-ry BSSR, 1961. 105 p. (MIRA 15:1)
(Lumbering) (Forest)

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PASHKEVICH, Oleg Nikolayevich, kand.ekonom. nauk; LUTOKHINA, Eleonora Alekseyevna; BARKALI, V.A., red.; ZINA, Ye.G., tekhn. red.

[When you work for society you work for yourself]Trud dlia obshchestva - trud dlia sebia. Minsk, 1962. 31 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Belorusskoi SSR, no.17) (MIRA 15:11)
(Work) (Incentives in industry)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

LYUBCHENKO, Vyacheslav Maksimovich; BARKAN, V.A., red.; YERMILOV, V.M., tekhn. red.

[Methods of storing and treating seeds of tree and shrub species before planting] Metody predposevnoi podgotovki i khraneniia semian drevesnykh i kustarnikovykh porod. Minsk, Gos. izd-vo sel'khoz.lit-ry BSSR, 1962. 58 p. (MIRA 15:6)
(Seeds) (Trees) (Shrubs)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

SHEBEKO, Vassa Fedorovna; BARKAN, V.A., red.; TIMOSHCHUK, R.S., tekhn. red.; ZEN'KO, M.M., tekhn. red.

[Yearly distribution and supply of precipitation in the White Russian S.S.R.]Vnutrigodovoe raspredelenie i obespechennost' osadkov na territorii Belorusskoi SSR; prakticheskoe posobie. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR, 1962. 142 p. (MIRA 15:11)
(White Russia--Precipitation (Meteorology))

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

IVANOV, Sergey Nesterovich, prof.; ANTIPOV-KARATAYEV, I.N., akademik, prof., otv. red.; BARKAN, V.A., red.; YERMILOV, V.M., tekhn. red.

[Physicochemical character of phosphates in peats and turf-Podzolic soils]Fiziko-khimicheskii rezhim fosfatov torfov i dernovo-podzolistykh pochv. Otv. red. I.N.Antipov-Karataev. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR, 1962. 250 p. (MIRA 15:9)

1. Rukovoditel' laboratorii fiziko-khimii pochv Pohvennogo instituta Akademii nauk SSSR i Akademiya nauk Tadzhikskoy SSR (for Antipov-Karatayev).

(White Russia--Soils--Phosphorus content)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

SAUTIN, Vasiliy Iosifovich, kand. sel'khoz. nauk; RAYKO, Polina Nikiforovna, nauchn. sotr.; BAKLAN, V.A., red.; MISHANOVA, Ye.A., red.; ZUYKOVA, V.I., tekhn.red.

[Guide to the forest types of White Russia] Opredelitel' tipov lesa BSSR. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR, 1963. 201 p. (MIRA 16:12)
(White Russia—Forest ecology)

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"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000203620013-4

BARKAN, Vitaliy Fishelevich; ZHDANOV, Vasiliy Konstantinovich; CHISTYAKOV, N.I., professor, doktor tekhnicheskikh nauk, retsenzent; ZUDAKIN, A.I., inzhener, redaktor; PETROVA, I.A., izdatel'skiy redaktor; ZUDAKIN, I.M., tekhnicheskiy redaktor

[Radio receiver apparatus] Radiopriemnye ustroistva. Moskva, Gos. izd-vo obor. promyshl., 1956. 495 p. (MLRA 9:12)
(Radio--Receivers and reception)

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PHASE I BOOK EXPLOITATION SOV/3810

Barkan, Vitaliy Fedorovich

Obratnaya svyaz' v radiopriyemnikakh (Feedback in Radio Receivers) Moscow, Gosenergoizdat, 1959. 85 p. (Series: Massovaya radiobiblioteka, vyp. 342) 75,000 copies printed.

Ed.: F. I. Tarasov; Tech. Ed.: P. M. Asanov; Editorial Board of Series: A. I. Berg, F. I. Burdeynyy, V. A. Buriyand, V. I. Vaneyev, Ye. N. Genishta, I. S. Dzhigit, A. M. Kanayeva, E. T. Krenkel', A. A. Kulikovskiy, A. D. Smirnov, F. I. Tarasov, and V. I. Shamshur.

PURPOSE: The booklet is intended for radio amateurs.

COVERAGE: The booklet deals with the use of negative and positive feedback in radio receivers and with the detection and elimination of spurious feedback. No personalities are mentioned. There are 11 references, all Soviet.

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